

J6721(C)
01-0505-CPI



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Customer Number: 000201
Attorney Docket No.: **J6721(C)**
Applicant: Zhang et al.
Serial No.: 10/056,968
Filed: January 24, 2002
FOR: THICKENER SYSTEM FOR COSMETIC COMPOSITIONS
UNUS No.: 01-0505-CPI

Group: 1617
Examiner: Lauren Q. Wells

Edgewater, New Jersey 07020
November 23, 2004

SECOND DECLARATION UNDER RULE 132

Commissioner for Patents
P.O. Box 1450
Alexandria VA, 22313-1450

Sir:

I, Joanna Hong Zhang, residing at 85 Viscount Drive, #11B, Milford, Connecticut 06460, do hereby declare and state that:

1. Herewith attached is my resume with curricula vitae.
2. I am a co-inventor of the invention claimed in the above-identified US Patent application.
3. In the last Office Action, the Examiner considered our comparative experiments non-persuasive. The action states that:

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"Examiner respectfully points out the that the prior art US 5,422,112 thickening system Sample 29C a polysaccharide (xanthan gum) with a polyacrylamide (Sepigel 305®), survived 2months storage stability which shows that it is only slightly inferior to Sample 29D."

By way of response, the Examiner should understand that a 3 month stability test is our standard protocol. Products of Unilever are required to pass the 3 month storage stability cycling test.

If our prototype fails the stability test, it will not be launched. Based on our past years of experience, our stability test conditions reflect the temperature change and time duration during product manufacture, transportation, storage, shelf life and consumer home use conditions. Failure in the test indicates that a prototype is going to be vulnerable during one of the stages in its life cycle; and it will not be considered as suitable for new product launch.

At the high temperature of the test, response to stability is accelerated. This means a 1 month stability at 50°C is equivalent to multiple months stability at room temperature. Since a normal product life cycle is about 18-24 months, and it is not feasible to test the product for that long a period of time before launch, the accelerated test at high temperatures is an industry standard to predict long term stability at room temperature.

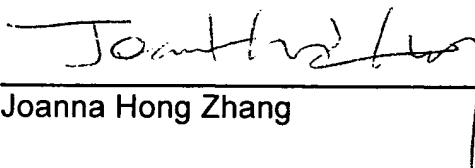
Our company operates the storage stability test with either a pass or fail result. If the product separates only 1 month short of the full 3 month test, the result is a failure. Thus, there is a significant difference between Sample 29C and Sample 29D (our invention).

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4. All statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true; and further that these statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of this patent application or any patent issuing thereon.

11/24/04

Dated



Joanna Hong Zhang

Joanna Hong Zhang

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WORK EXPERIENCE:

2000 - Present

Senior Scientist, Product Development, Unilever HPC NA

1998 - 2000

Scientist, Personal Care Product Development, Unilever HPC NA

1997 - 1998

Scientist at Optima Inc. (Stratford, CT) for the development of optical lens materials and processes

1996 - 1997

Research Assistant in the Dept. of Materials Science and Engineering, University of Utah, working in the field of polymer surfactants

1994 - 1995

Consultant for Polymer Technology Corp.

1991 - 1994

Senior Scientist and Scientist at Polymer Technology Corp. (a subsidiary of Bausch & Lomb) for the development of contact lens materials and lens care solutions

1987 - 1991

Research Assistant in the Dept. of Materials Science and Engineering, University of Utah, working in the field of biomaterials

1984 - 1987

Materials Engineer at China Technology Center of Aeronautics for the development of engineering materials and composites

EDUCATION:

Nov., 2000

Ph. D. Thesis Defense, University of Utah, USA
Topic: Polymeric Surfactants and Polysaccharides
Major: Materials Science and Engineering

July, 1984

Master, Beijing University of Chemical Technology, P. R. China
Major: Polymer Materials and Engineering

Feb., 1982

Bachelor, Tianjin Institute of Light Industry, P. R. China
Major: Chemical Engineering

AFFILIATION:

Member of Society of Cosmetic Chemist